

In the claims:**1-14. (Withdrawn)**

15. (Currently Amended) A method of resisting corrosion of metals in a concrete structure comprising,

creating in a slurry containing at least one compound capable of sequestering chloride ions selected from the group consisting of
 $3\text{Me(II)}\cdot\text{R}_2\text{O}_3\cdot\text{Me(II)}(\text{anion})_2\cdot n\text{H}_2\text{O}$ where $n = 0$ to 24 and
 $3\text{Me(II)}\cdot\text{R}_2\text{O}_3\cdot\text{Me(II)}(\text{anion})\cdot n\text{H}_2\text{O}$ where $n = 0$ to 18 ,

where Me(II) is one or more divalent cations selected from the
group consisting of Ca, Ba, Sr, Mn and Zn; R_2 is Al_2 , Fe_2 or Cr_2 ; and
anion is NO_2 , NO_3 , CO_3 , BO_4 or OH , but when Me(II) is Ca, R_2
is not Al_2 ,

positioning said slurry adjacent to said concrete structure, and
 sequestering chloride ions in said compound.

16. (Original) The method of Claim 15 including

creating an overlay on said concrete structure with said slurry
 and allowing said slurry to set.

17. (Original) The method of Claim 15 including

securing said overlay to said concrete structure to permit
 chloride ion exchange therebetween.

18. (Currently Amended) The method of Claim 17 including

applying a preformed panel over said ~~slurry~~ overlay.

19. (Currently Amended) The method of Claim 8-18 including

providing said preformed panel with lower porosity than said
 slurry layer.

In the claims cont'd:

20. (Original) The method of Claim 16 including
employing in said slurry at least one material selected from the
group consisting of NaAlO_4 , $\text{Ca}(\text{NO}_2)_2$ and NaNO_2 .

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21. (Currently Amended) The method of Claim ~~20~~ 16 including
employing $\text{Ca}(\text{OH})_2$ in said compound.

22. (Original) The method of Claim 16 including
employing in said compound an aluminum constituent selected
from the group consisting of alumina, aluminate and alumina hydroxide.

23. (Original) The method of Claim 22 including
employing in said source of aluminum a material other than
 $\text{CaO} \cdot \text{Al}_2\text{O}_3$ and $3\text{CaO} \cdot \text{Al}_2\text{O}_3$.

24. (Original) The method of Claim 16 including
employing as said compound a compound capable of
establishing a corrosion resistant oxide layer on embedded metal elements.

25. (Original) The method of Claim 16 including
employing a nitrite-containing compound as said compound.

26. (Currently Amended) The method of Claim 16 including
employing as said compound a compound selected from the
group consisting of

~~$3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_2)_2 \cdot n\text{H}_2\text{O}$; $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_3)_2 \cdot n\text{H}_2\text{O}$;~~
 $3\text{CaO} \cdot \text{Fe}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_2)_2 \cdot n\text{H}_2\text{O}$; and $3\text{CaO} \cdot \text{Fe}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_3)_2 \cdot n\text{H}_2\text{O}$;
wherein $n = 0$ to 24.

In the claims cont'd:

27. (Original) A method of resisting corrosion of metals in a concrete structure comprising

creating a solution containing a soluble source of alumina and a material selected from the group consisting of $\text{Ca}(\text{NO}_2)_2$ and NaNO_2 ,
causing said source of alumina and said materials selected from the group to react with each other and with $\text{Ca}(\text{OH})_2$ contained in the concrete structure to create a chloride sequestering compound, and
effecting said sequestration of chloride ions by said compound in said concrete structure.

28. (Original) The method of Claim 27 including

effecting said introduction of said solution under pressure.

29. (Original) The method of Claim 27 including

employing capillary suction to introduce said solution into said concrete structure.

30. (Original) The method of Claim 27 including

effecting by said reaction liberation of nitrite ions which serve to effect creation of an oxide protective layer on said metals.

31. (Original) The method of Claim 30 including

said metals being metal reinforcing elements contained within said concrete.